AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2^h 21^m 52^s . 7 E.

March - 1961

Jourdy Press — Tel. : 243010

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WEATHER BUREAU

MARCH 1961

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	66.3	64.2	66.3	65.6	15.9	8.0	9.7	13.7	8.0	10.5
2	69.2	69.8	70.9	70.0	16.1	9.4	11.5	16.1	11.5	13.0
3	71.2	69.1	67.4	69.2	17.1	12.2	12.2	16.7	15.5	14.8
4	64.9	64.5	66.0	65.1	19.3	12.6	16.2	17.5	15.5	16.4
5	68.4	67.1	67.2	67.6	17.3	13.0	15.5	16.5	14.0	15.3
6	65.4	63.5	63.5	64.1	17.4	11.6	14.4	16.6	15.0	15.3
7	62.8	62.4	63.1	62.8	18.1	11.7	13.8	17.7	13.5	15.0
8	63.3	64.3	65.8	64.5	15.1	10.2	13.5	14.4	12.5	13.5
9	66.8	65.9	66.5	66.4	16.9	11.2	13.0	15.9	13.0	14.0
10	64.9	62.6	62.2	63.2	17.8	13.2	13.7	17.4	14.0	15.0
11	62.4	61.6	61.8	61.9	20.0	11.4	16.5	17.7	14.7	16.3
12	62.5	61.2	61.5	61.7	19.1	13.5	15.0	18.0	14.5	15.8
13	60.0	59.5	60.2	59.9	20.3	14.7	16.3	19.2	16.0	17.2
14	59.6	58.8	58.7	59.0	19.9	14.2	16.4	19.4	15.0	16.9
15	57.2	57.1	60.2	58.2	18.4	9.0	16.4	11.4	11.0	12.9
16	62.0	62.7	64.2	63.0	17.9	12.7	13.8	17.3	14.0	15.0
17	65.6	64.3	64.2	64.7	19.4	11.9	15.1	19.0	14.0	16.0
18	62.3	59.8	59.7	60.6	18.6	12.4	15.4	17.0	17.2	16.5
19	60.2	60.2	61.1	60.5	20.6	13.3	18.0	19.4	15.6	17.7
20	62.7	63.2	64.5	63.5	19.2	12.5	15.3	16.2	14.0	15.2
21	66.5	66.2	66.8	66.5	19.8	13.2	15.9	19.0	15.5	16.8
22	67.7	66.0	65.6	66.4	20.2	14.1	15.8	18.6	15.8	16.7
23	64.6	62.9	62.0	63.2	22.9	16.1	16.7	19.5	17.5	17.9
24	59.2	56.6	57.8	57.9	24.0	12.6	20.0	21.7	16.3	19.3
25	58.4	59.2	60.2	59.3	17.8	11.9	13.7	17.0	14.4	15.0
26	64.1	63.9	64.8	64.3	16.1	11.6	14.0	15.5	14.4	14.6
27	62.4	59.3	55.3	59.0	18.1	14.9	14.9	16.9	16.0	15.9
28	51.3	51.9	53.8	52.3	23.5	14.6	21.0	20.9	17.0	19.6
29	55.4	56.5	57.6	56.5	19.5	12.3	15.3	16.8	14.5	15.5
30	57.0	57.2	58.4	57.5	15.1	11.4	12.3	14.0	13.5	13.3
31	61.2	61.0	62.0	61.4	18.4	11.8	15.0	17.7	13.3	15.3
	62.76	62.02	62.56	62.44	18.70	12.39	15.04	17.25	14.41	15.55

Barometer, range 771.2 mm — 751.3 mm
» » 71-yrs. average 761.19 mm.
Thermometer, range 24.0 °C — 8.0 °C
« » 82-yrs. average 15.7 °C
Rain. total for month 93.01 mm
» » 82-yrs. average for month 96.1 mm
« » total from Sept. 1st. 829.86 mm
« » 82-yrs. average from Sept. 1st. 820.41 mm

MARCH 1961

METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8.30	14:30	20.30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kmsr	m. m.
1	4.8	6.3	9.4	6.8	41	41	89	57	5.7	159	9.10
2	8.1	9.2	8.8	8.7	59	50	64	58	5.4	29	0.72
3	7.7	6.6	10.3	8.2	54	34	58	49	9.5	119	
4	8.9	11.2	12.1	10.7	48	55	69	57	9.2	98	
5	10.3	11.2	10.8	10.8	58	59	68	62	9.3	68	
6	10.4	8.0	11.6	10.0	63	42	69	58	9.5	105	
7	11.0	11.0	11.4	11.1	70	55	72	66	4.8	72	0.64
8	8.4	6.8	6.9	7.4	54	41	48	48	8.6	166	
9	7.6	8.6	9.3	8.5	51	48	62	54	9.3	58	
10	8.2	8.0	9.1	8.4	53	39	57	50	9.1	196	
11	5.5	11.2	9.5	8.7	27	56	58	47	4.4	89	
12	7.0	10.3	10.2	9.2	41	49	61	50	9.3	29	
13	13.3	14.4	13.3	13.7	71	65	73	70	8.5	193	
14	13.4	14.3	12.6	13.4	71	63	74	69	8.6	264	
15	11.5	12.1	10.0	11.2	61	90	75	79	2.4	198	19.14
16	8.2	7.9	10.8	10.0	53	39	68	53	8.7	138	
17	9.3	11.1	10.1	10.2	54	51	63	56	9.4	51	
18	9.5	13.6	13.8	12.3	54	70	70	65	8.6	51	
19	10.6	13.9	13.2	12.6	51	61	74	62	1.2	97	0.50
20	11.5	11.3	12.4	11.7	66	61	78	68	5.4	97	0.60
21	12.5	15.0	13.5	13.7	69	68	76	71	7.3	105	
22	10.9	11.6	13.1	11.9	61	54	73	63	8.8		
23	11.8	13.2	10.5	11.8	62	58	52	57	8.6		
24	9.0	13.8	12.5	11.8	38	54	67	53	7.5	145	
25	11.6	11.0	10.4	11.0	73	56	63	64	2.5	483	2.30
26	10.5	7.9	7.4	8.6	65	44	46	52	7.8	253	1.60
27	10.5	10.6	13.6	11.6	62	55	74	64	2.9	151	
28	7.6	14.6	13.8	12.0	30	59	71	53	3.7		
29	15.0	14.4	12.8	13.4	87	75	79	80	5.7		10.42
30	13.2	11.5	12.7	12.5	93	72	83	83	2.5	554	35.29
31	12.6	11.4	12.1	12.0	74	57	80	70	4.8	137	12.70
	10.01	11.03	11.22	10.77	58.5	55.5	68.2	60.9	6.74	152.03	3.00

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric date from readinge of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above groend 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20.30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

MARCH 1961

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4st	10st	9cu-st	7.7	3s	3sw	2sw	light	
2	4cu-st	5cu-st	3cu	4.0	2e	3sw	1sw	,,	
3	0	0	0	0.0	2ne	3ne	3ne	,,	good visibility
4	0	0	0	0.0	1sw	1ne	1ne	,,	
5	5ci	2ci	0	2.3	1sw	1ne	1ne	,,	
6	0	0	0	0.0	2ne	4ne	2ne	light	
7	10st-ni	4cu-st	8cu-st	7.3	4sw	3sw	1sw	,,	
8	9cu-st	υ	3cu-ci	4.0	4ne	3n	2ne	,,	
9	0	0	0	0.0	1e	3nw	2ne	,,	
10	2ci	1ci	0	1.0	2ne	5ne	1ne	,,	D; a.m.
11	9ci	10st-ci	0	6.3	3e	2ne	1ne	light	
12	0	2cu	0	0.7	1ne	1nw	1sw	,,	
13	0	8cu-st	2cu	3.3	4sw	4sw	2sw	,,	
14	0	1st	0	0.3	4sw	4sw	2sw	,,	H; a.m.
15	9ci-st	10st-ni	0	6.3	4sw	3se	1sw	,,	W; p.m.
16	4cu-st	2cu-ci	2ci	2.7	4ne	2s	1sw	light	
17	0	0	0	0.0	3sw	1w	1sw	,,	
18	2ci	5ci-st	10st	5.7	1ne	1ne	1ne	,,	
19	10ci-st	10st-ni	10st	10.0	2sw	2sw	1sw	,,	
20	10ci-st	10st	6st	8.7	2ne	3sw	1sw	,,	
21	5ci-st	1cu	0	2.0	3sw	3sw	1sw	light	
22	0	0	0	0.0	1ne	1e	1ne	,,	
23	0	10ci	10ci	6.7	2e	2nw	0	,,	Lunar Halo
24	3ci	10ci	8st-ni	7.0	1sw	4sw	6sw	,,	Tr; p.m.
25	10st-ni	10st-ni	8st-ni	9.7	6sw	6sw	4sw	slight	Lunar Halo
26	7st-ni	0	2ci	3.0	3ne	5ne	6ne	slight	
27	10ci-st	10st	8cu-st	9.3	2w	3ne	2ne	light	
28	10st	0	0	3.3	2se	4sw	3sw	,,	H; p.m.
29	10cu-ni	10cu-st	5cu-st	8.3	3sw	3sw	1sw	,,	
30	10st	10cu-st	10cu-st	10.0	3sw	4sw	3sw	,,	
31	9cu-st	8cu-st	8cu-st	8.3	3w	2sw	3sw	,,	
				4.45					

Abbreviation : G = gale ; H = haze ; M = mist ; T = Thunderstorm ; D = dew
W = strong wind ; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	10	4	1	1	13	2	0	0	31
14:30	1	9	1	1	1	14	1	3	0	31
20:30	0	12	0	0	0	18	0	0	1	31
Total	1	31	5	2	2	45	3	3	1	93

Number of days with rain 11, fog 0, Thunderstorms 0, gale 0
71-yrs. average number of days with rain during month 10.76